

Abstract of the Disclosure

A transmission apparatus is capable of transmitting a high-speed modem signal. It has at least two types of transmission schemes: one uses a clear channel that can transmit 5 a high-speed modem signal; and the other is a conventional 32-kbit/s or 40-kbit/s ADPCM scheme implemented by a coding section 25. When an ANSam signal detector detects an ANSam signal according to the V.8 protocol from an input signal, a transmission assignment processor instructs a BC (bear channel) 10 bit assignment section to switch the transmission scheme to the higher quality transmission scheme using the clear channel.